

## <sup>14</sup>C prep

### Ingredients:

core  
core log  
lab notebook  
sterilized glass vial  
sharpie  
clean sieve (200 $\mu$ m-ish should be fine)  
clean tweezers, pokers, spatulas  
DI H<sub>2</sub>O  
dissecting microscope  
aluminum foil

**It is important to remember that these samples cost a lot of \$ to run and take quite a bit of time to pick. With that in mind, ensure that everything is cleaned with DI water before you start and do everything you can to keep the sample free of contamination (no sneezing on it, touching it without gloves, dumping non-DI water on it, allowing it to sit out overnight uncovered, etc.).**

1. start a new page in lab notebook for the suite of samples you'll be picking (table with: sample name, depth, empty vial weight mg, full dry vial weight mg)
2. get out core, line up with ruler so you know exact depth, get out core log
3. GLOVES GLOVES GLOVES GLOVES GLOVES GLOVES GLOVES GLOVES
4. label vial with sample name and depth, making sure that labels are the same on vial and in lab notebook
5. weigh vial on precise balance, record mass
6. pick sample with tools onto sieve
7. wash sample with DI H<sub>2</sub>O
8. check under dissecting 'scope to be sure sample is clean
9. wash some more even if you think it's clean
10. using tweezers, put sample into labeled, weighed vial
11. cover vial with foil, poke holes in foil so water can evaporate
12. dry sample in oven or freeze dryer
13. weigh vial on precise balance, record mass
14. cover vial with foil, then put lid on vial
15. mark core log where samples were taken